



AUDI RS4 B7 OIL COOLER KIT INSTALLATION



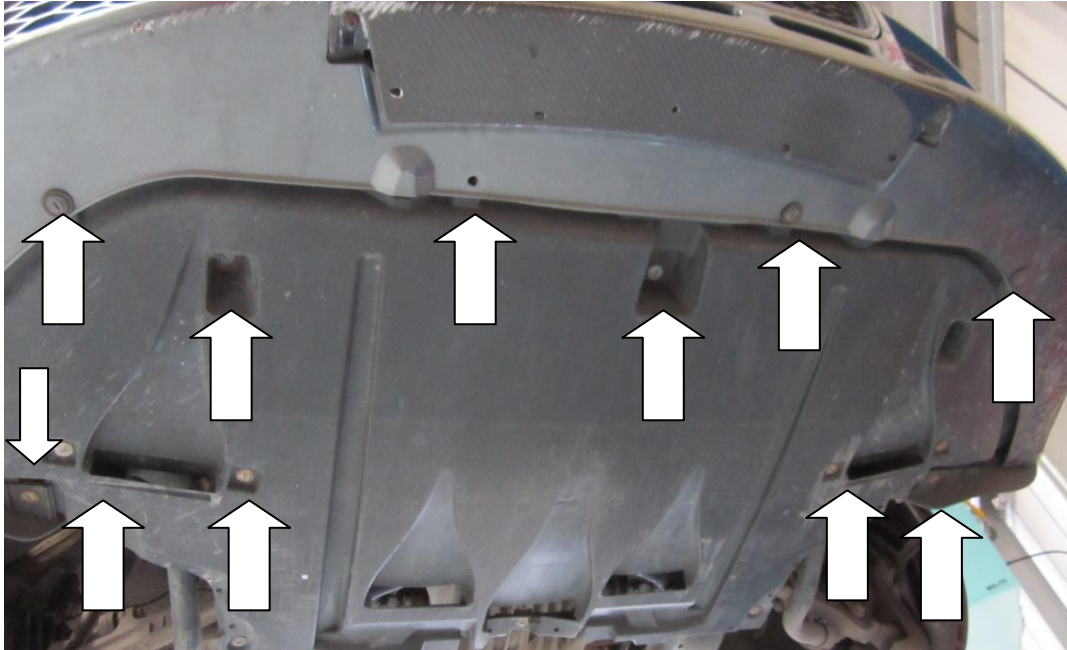
Tools needed:

- 10mm socket
- Allen key selection
- Socket extensions
- T25 & T30 screwdriver
- Flat bladed screwdriver
- 2 litres of oil, whichever grade you are using in the engine

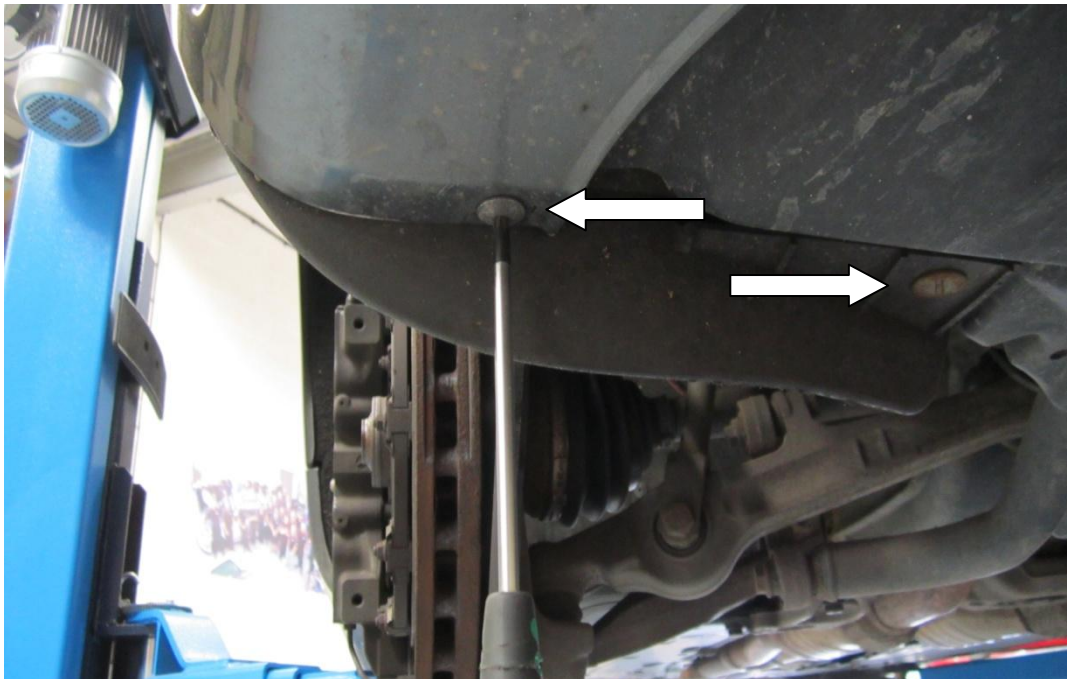
Please read through these instructions fully first to familiarise yourself with the installation

1. Find a nice flat area to park your vehicle in order to jack up the front end of the Audi, make sure you use axle stands to support both sides of the vehicle, we recommend that a four post ramp would be the easiest way to install your new oil cooler .

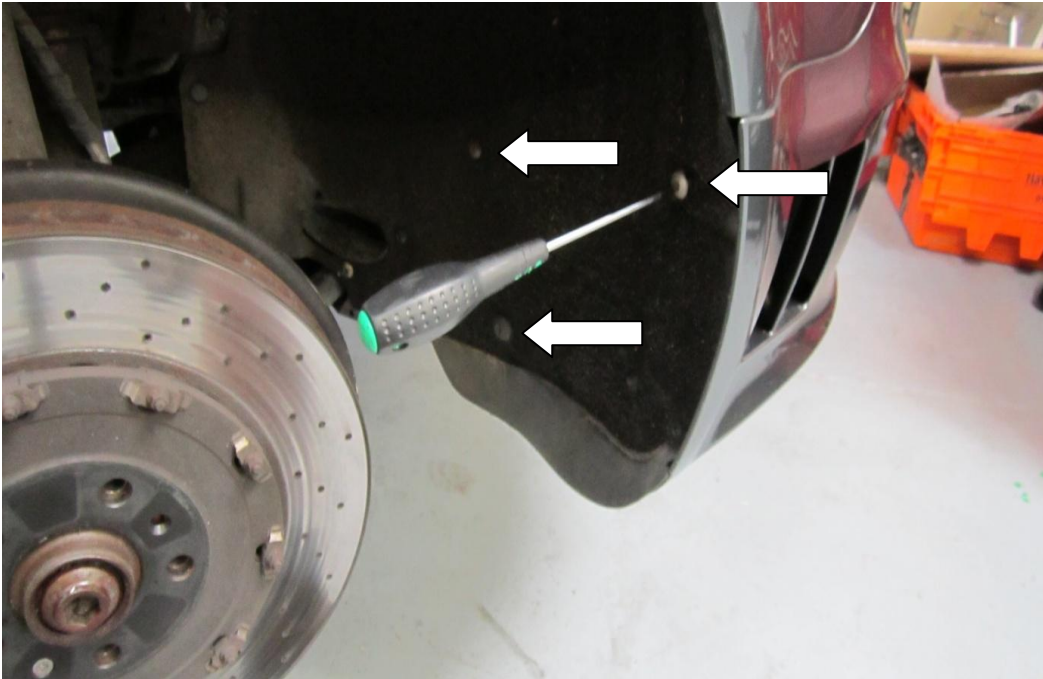
2. Remove both your front wheels using a 19mm socket. Now remove the under tray using a flat bladed screwdriver by undoing the dzus fasteners arrowed.



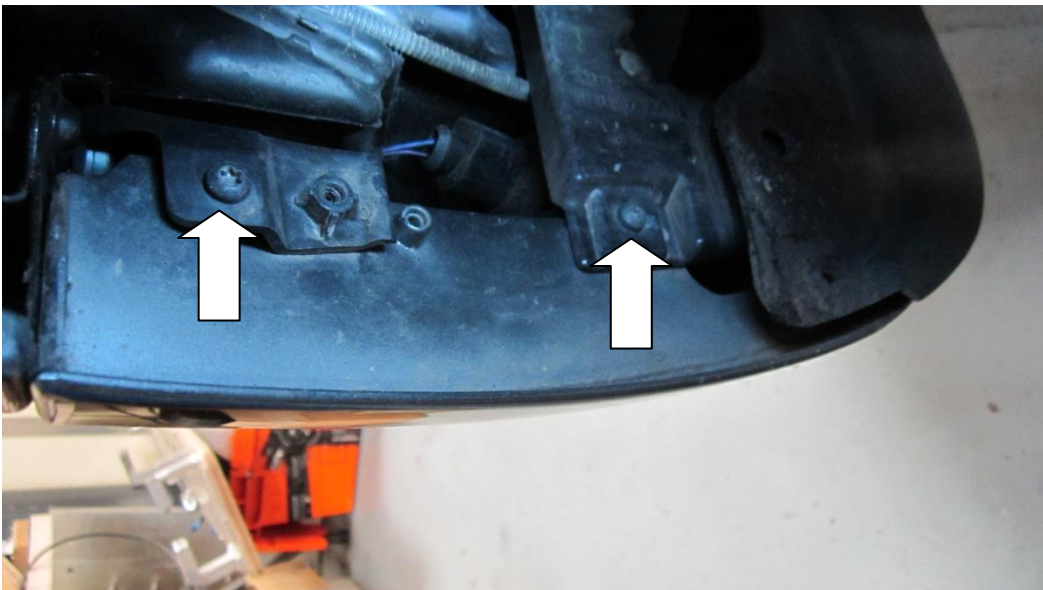
3. Using your T30 torx driver, undo the fasteners pictured. They are towards the rear of the under tray in the corners.



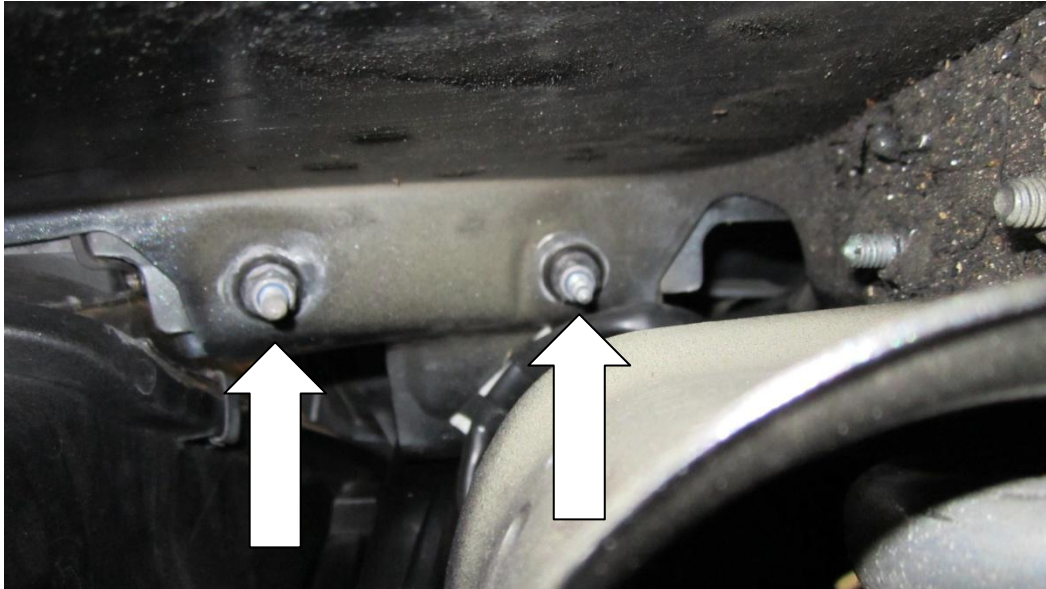
4. Inside the wheel arch undo the T25 fasteners pictured.



5. Pull back the arch liner, and behind you will find two more T25 torx fasteners. Remove these also.



6. Located behind this panel where the bumper meets the arch are two 10mm fasteners, remove the 10mm nuts that hold the sides in place.



7. Moving to the front on the bumper remove these fasteners arrowed with your T30 torx drive.

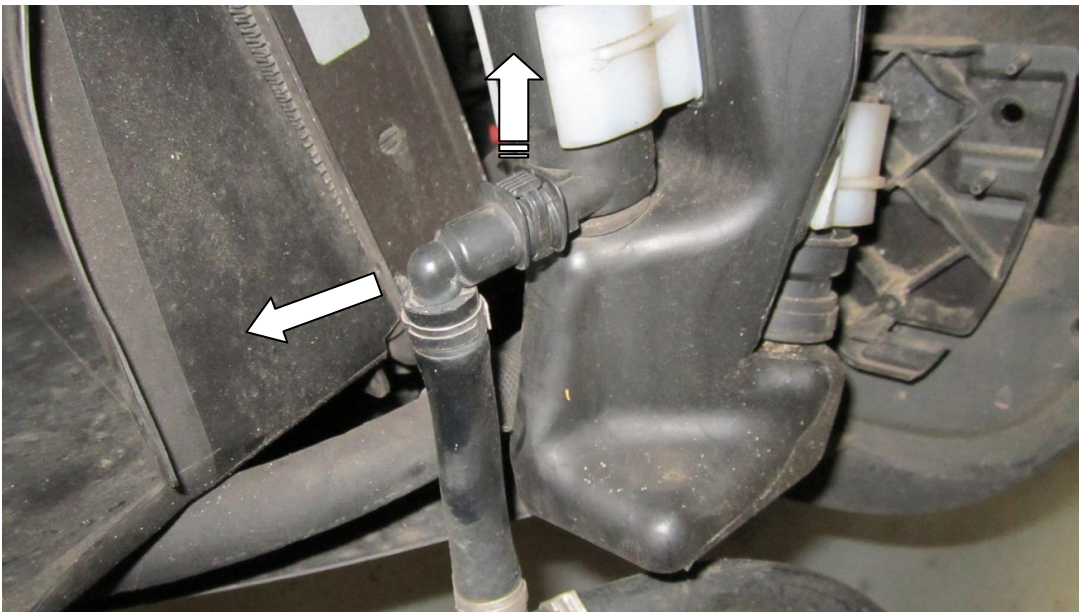


8. There are also some bumper height adjusters that should be loosened. This is not always necessary, but sometimes can help when you come to refit your bumper. These are circled in red.
9. When removing the front it is easier to have a helping hand pull the bumper on each side and remove.

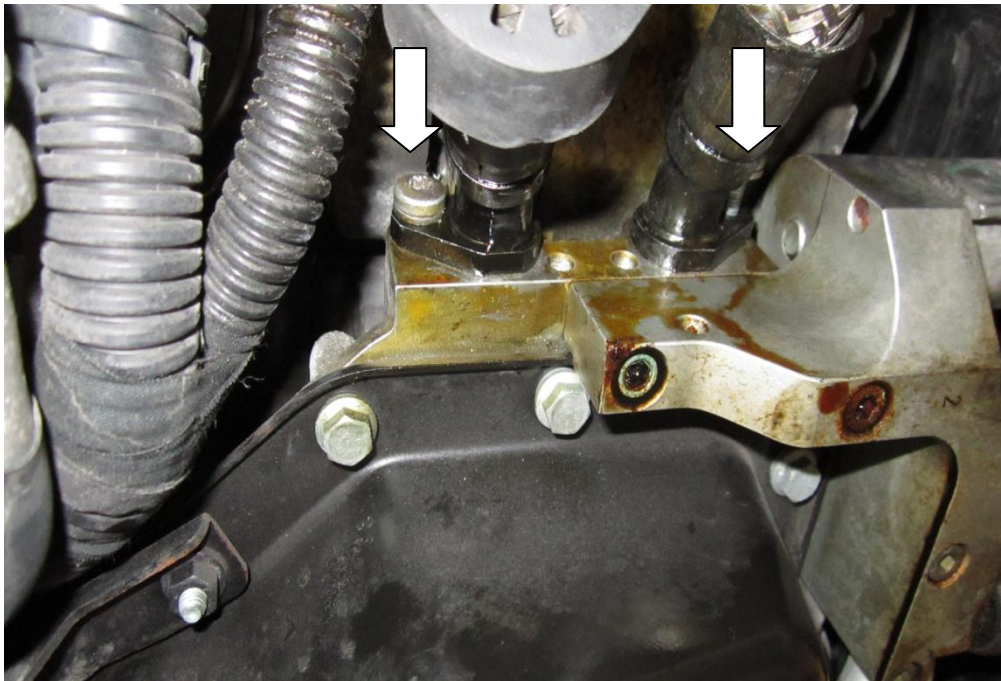
10. While one of you holds the bumper undo the wiring connectors to the fog lights.



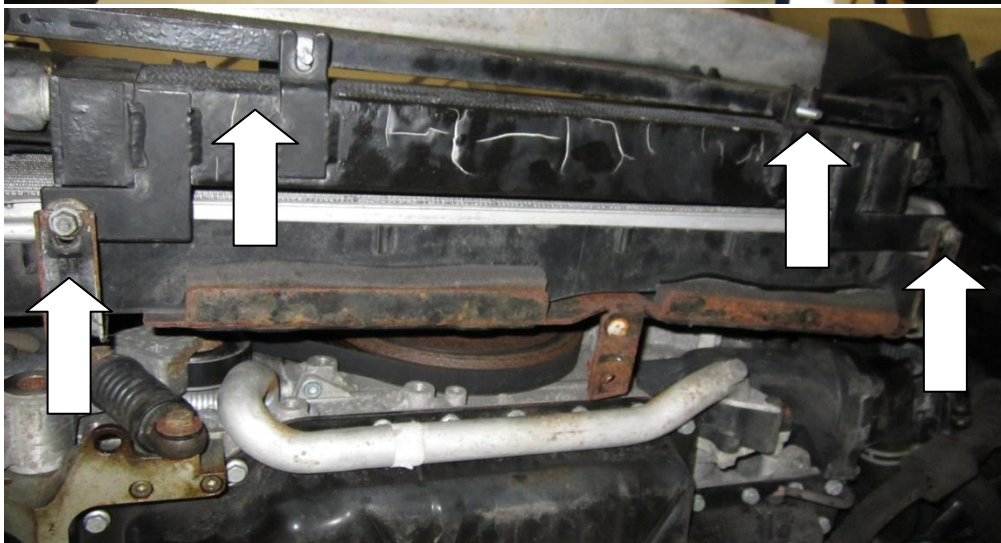
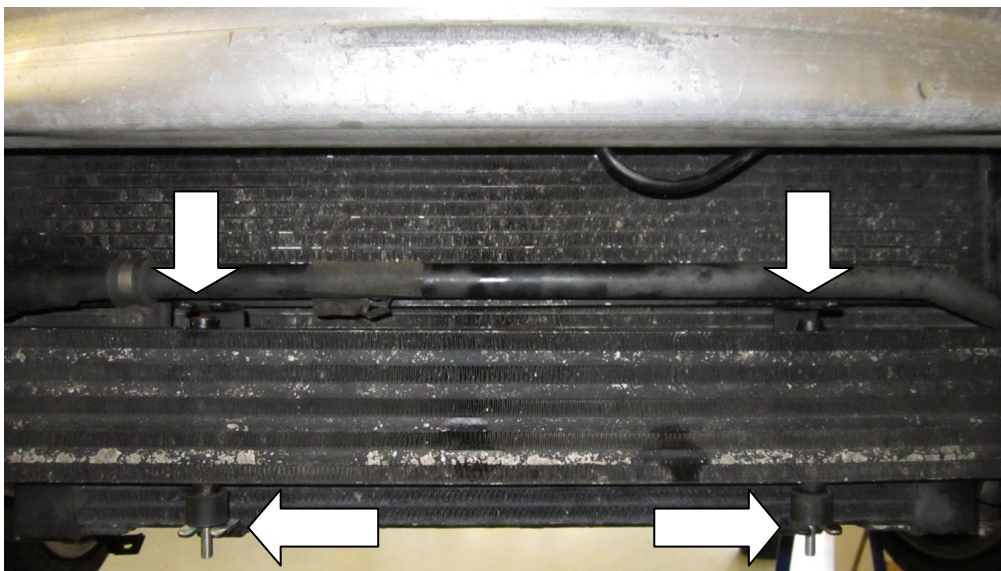
11. You also need to disconnect your washer jets, by pulling up the retainer and pulling out the hose. Have a jug ready to collect any screen wash you wish to keep.



12. You are now ready to remove your OEM oil cooler. Start by removing the oil lines from your engine block. Use a T30 torx drive, have a drip tray or similar to catch the excess oil which WILL drip out of the block and old oil lines. Please make sure you dispose of your oil responsibly!



13. Next remove to the oil cooler undo the 10mm nuts in these locations.



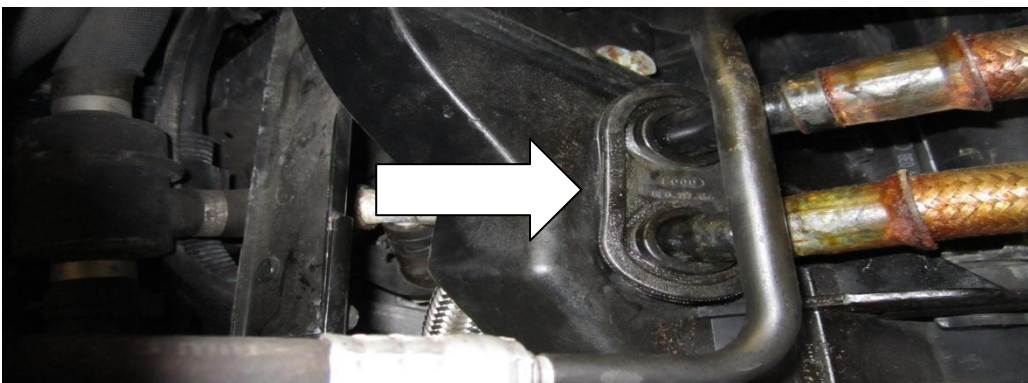
14. There are two last 10mm nuts tucked away behind the plastic cowl remove this .The other 10mm can be found in the same place but on the opposite side.



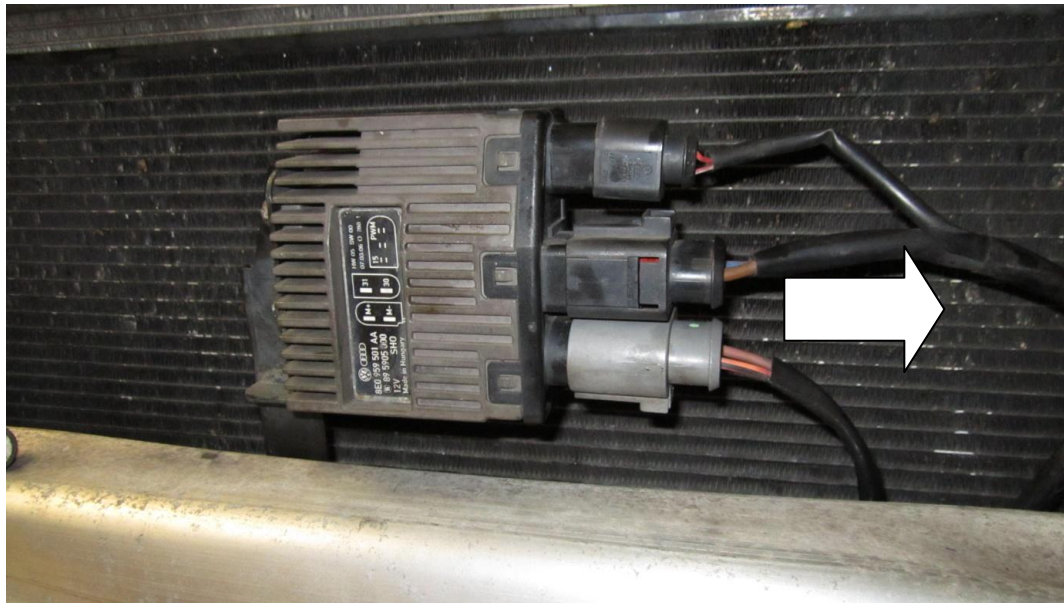
15. Now you will be able to slide out the cooler from between your radiator and power steering cooler.



16. Remove this rubber grommet at the same time.



17. Your fan controller can also be removed now. Undo the three wiring harnesses then remove the 10mm nuts holding on the control unit.



18. Remove the bracket that held the control unit in place, use a 10mm spanner on the hex heads located on the rear of the crash bar.



19. Now your fan control unit has been removed, place it onto your new Forge Motorsport bracket, using a 10mm spanner to tighten the 10mm nuts.



20. Assemble your new oil cooler. Locate your M22 to dash 12 adaptor and fit the o rings provided into the groove on the M22 side (the side that screws into the oil cooler).



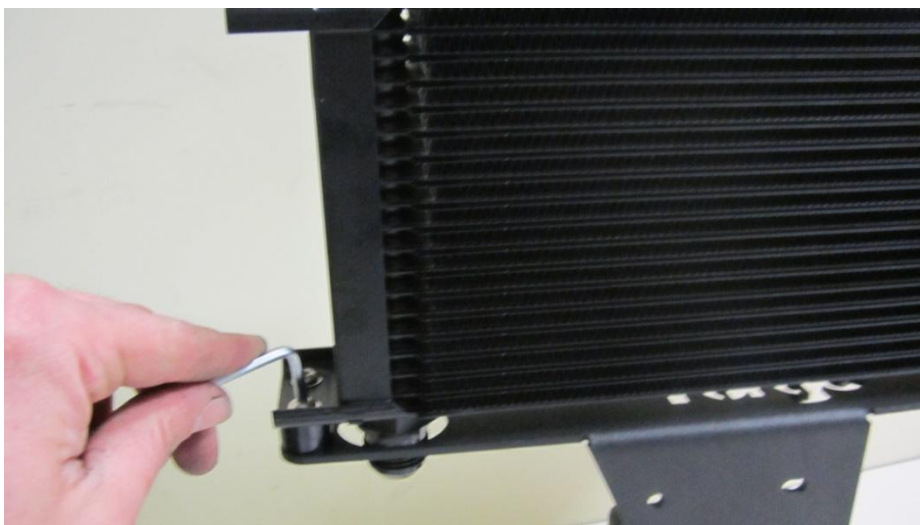
21. Now attach your M22 to dash 12 adaptor to your oil cooler, and using an adjustable spanner (or -12 spanner) tighten them down.



22. Find your oil cooler spacers and attach them to the oil cooler bracket using 4 M6 x 10 button heads and M6 washers provided, bolt up from underneath.



23. Now attach your new oil cooler again using 4 M6 x 10 button heads and washers.



24. Now attach your new oil lines to the cooler the STRAIGHT fittings go on to the oil cooler, and the shorter oil line should be attached on the left hand side when viewed from the front.



25. Tighten both of the oil lines using an adjustable spanner, or -12 spanner.
26. Now your oil cooler unit is assembled locate your new Forge Motorsport sandwich plate and attach the o rings provided.



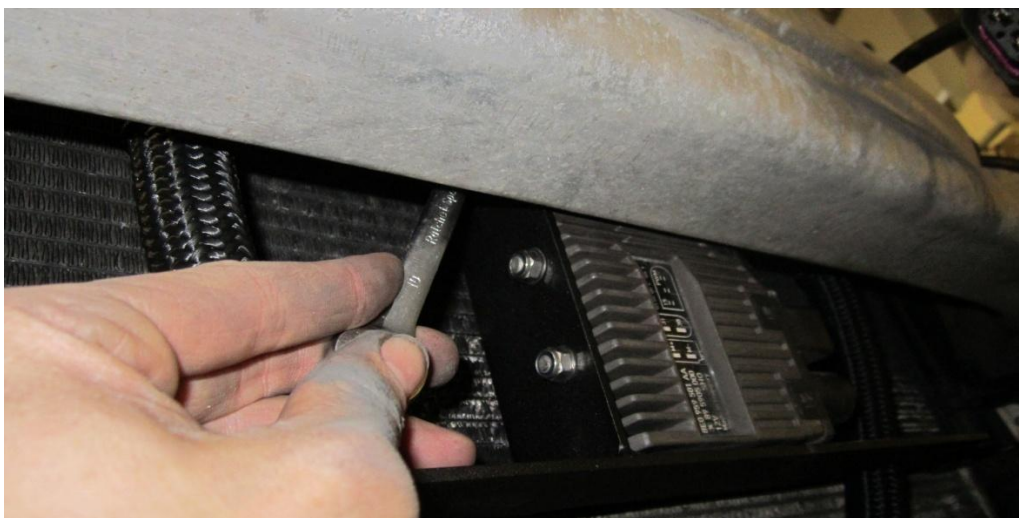
27. You can now install your sandwich plate to your engine. Put into position and use the two bolts you removed in section 12 to fix in place.



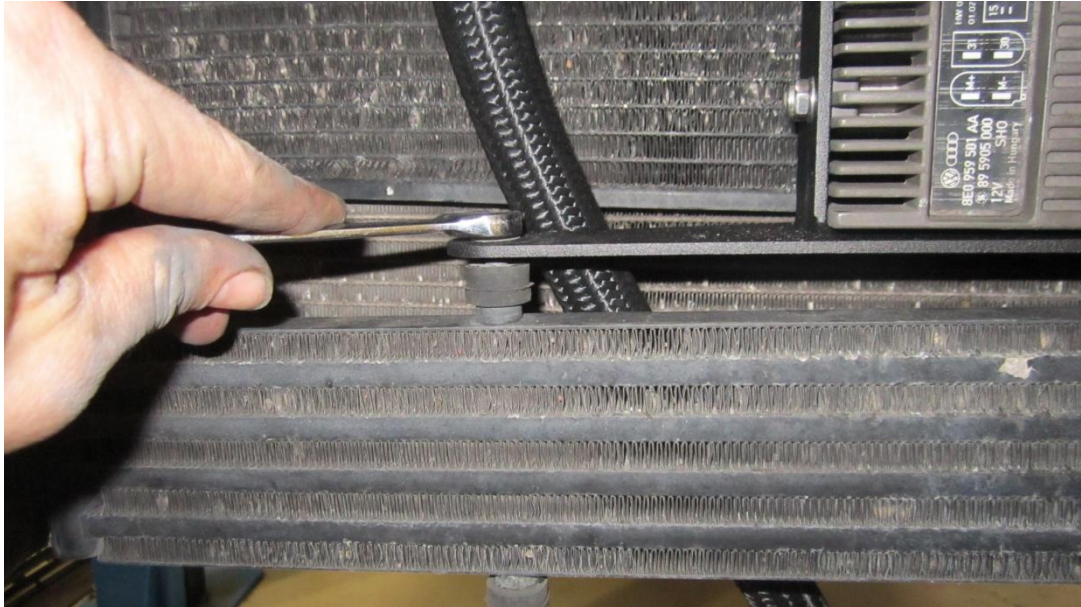
28. Slide your oil cooler assembly under and behind your crash bar into position.



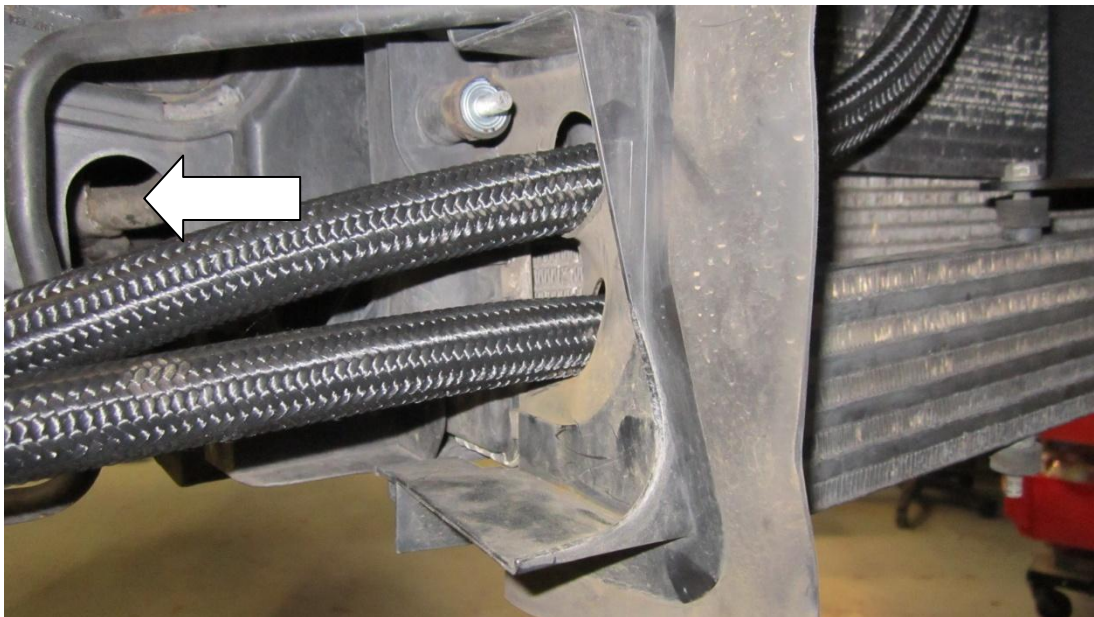
29. Using the two M6 hex heads removed in section 17 that held your fan controller bracket in position, attach your new assembly and tighten using a 10mm spanner.



30. Now fix the upper two cotton reels on your power steering cooler to the lower part of your oil cooler bracket using the existing m6 nuts that were removed in section 13



31. Feed your oil lines towards the left hand side of the vehicle when viewed from the front and through the slam panel towards the sandwich plate. Push the oil lines through where arrowed.



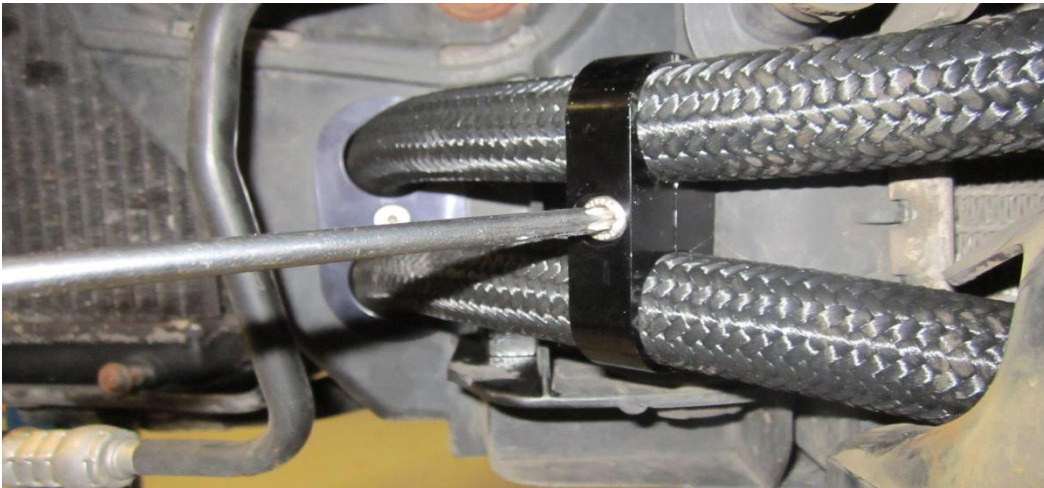
32. Connect your oil lines to the sandwich plate and tighten.



33. Slide the sandwich clamp into position hold the back plate in position and tighten the m5 countersunk provided with a 3mm Allen key.



34. Place the oil hose clamp in position and tighten.



35. Using the P clips provided place them into position on the longer of the two oil lines, use the two M6 x 16 cap screws with M6 nuts and washers.



36. Remove the cotton reels that still remain on your OEM oil cooler.



37. Place your lower Forge mounting bracket into position. Use the cotton reels just removed to attach at the back of the mounting plate. Please note the orientation of the plate as this is handed i.e. its offset to one side.



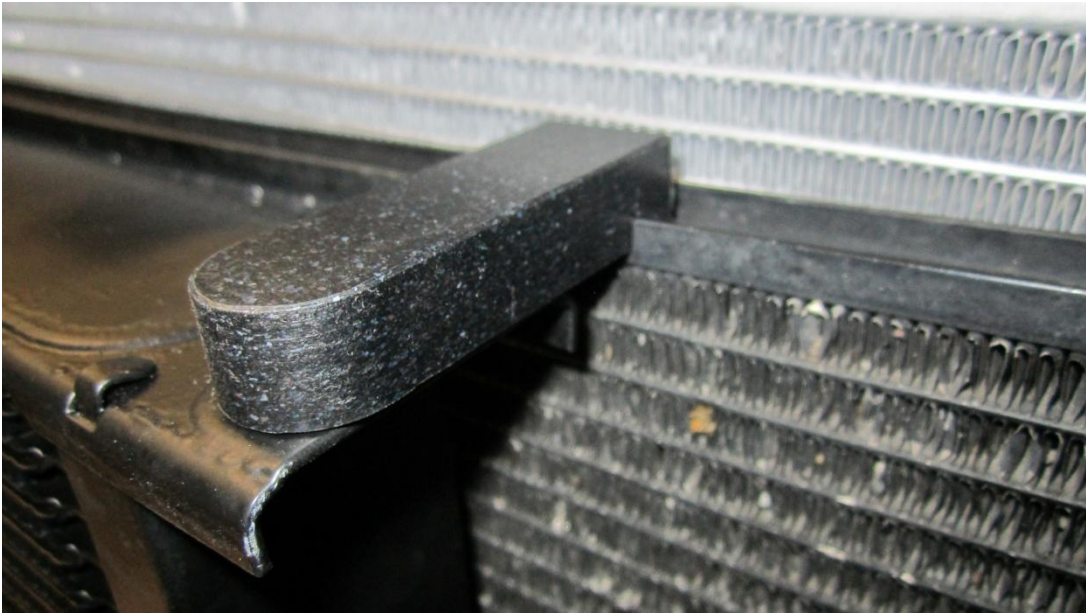
38. Attach the p clips while assembling.



39. Using a 10mm spanner tighten all of the m6 nuts on all cotton reels and the two P clips.



40. Place the two nylon blocks on top of your oil cooler slide them over your condenser.



41. Using the four M6 x 10mm button heads and washers mount and tighten the blocks using a 5 mm Allen key.



42. Your new oil cooler kit is now fully assembled - make sure all fittings are tight. Add ONE litre of oil.

43. Start your vehicle and check for any leaks, once you are happy there are no leaks and all mounting is fully secure stop the engine and leave for a few minutes then check the level again. It will need another 0.5 – 1.0 litres of oil. Follow steps 11-1 in reverse order to reassemble your bumper.

44. Your installation should now be complete!

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